EXPEDITED SOLAR PV PERMIT APPLICATION  
CHECKLIST
INTENDED FOR LICENSED CVC and EC CONTRACTORS ONLY

Qualifier must certify **ALL** the following statements by **Initialing each one** (otherwise, submit application via normal process):

**STRUCTURAL Details**

- **___** This is a detached **Single Family Dwelling** (SFD), or, is a free-standing Residential Accessory Structure
- **___** This structure is legally permitted, and is compliant with setbacks and height requirements
- **___** Expedited Solar PV Permit Worksheet (**Attachment B**) is completed and attached
- **___** The existing roof assembly and covering are in satisfactory condition for the proposed installation
- **___** The Homeowner has been advised of the impact a rooftop installation might have on existing warranties
- **___** The roof is framed with wood trusses or rafters at no greater than 24” on center
- **___** The Design Wind Speed for the project is 170\(v_{ult}\) MPH; Exposure B or C
- **___** The Mounting System is **Site-Specifically Engineered** to 170\(v_{ult}\) MPH wind-load pressures
- **___** The Array supports are spaced so that no **Point Load** attachment exceeds 50 lbs. (see Worksheet).
- **___** The Array supports are spaced so the **Distributed Load** does not exceed 5 psf. (see Worksheet)
- **___** The Array is set back from all roof edges by at least 3’ (feet)
- **___** The Array does not cantilever over the perimeter anchors by more than 6” (inches)
- **___** The gap under the modules to the roof surface does not exceed 12” (inches)
- **___** Anchor-to-roof **Flashing/Sealing** method and product(s) are identified and listed for this use

**ELECTRICAL Details**

- **___** The Solar PV maximum load to be added to the panel-board/service is based on the rating of the system and is limited to 10 kW (see worksheet for wire, inverter, disconnect, etc. sizing limitations)
- **___** The System is FSEC Certified or is designed by an appropriate licensed professional
- **___** The PV System is composed of 4 series strings, or less, per Inverter
- **___** All modules, inverters, combiner boxes, etc. are identified, listed and labeled for use in PV systems

**ADDITIONAL DOCUMENTS REQUIRED**

1. Building Permit Application
2. Expedited Solar PV Worksheet (**Attachment B**)  
3. Supporting certification and/or listing documents for all equipment and components  
4. CVC required to subcontract with an EC (No-Fee sub permit) for final utility-interactive connection  
5. **Qualifier’s Certification of Installation** form (**Attachment C**) – Submit to Inspector at Final Inspection  
6. **Photographic evidence** of each phase of the installation (**must be verifiable as site-specific**)  
   a. Rack/Bracket mount attachments to Structural members  
   b. PV Module attachment to mounting Rack/Rail/Brackets  
   c. Array and Rack bonding attachments  
   d. Connections within Combiner, Inverter, Transfer Switch, Panel, and Utility Interconnection point
Address: __________________________________________________________________________________________

Racking/Mounting/Bracket Manufacturers (include specs): _________________________________________________

Max Spacing between Brackets or Attachment Points on Rail: _______________________________________________

Engineered Attachment Detail is Included showing ALL Components & Attachments within the wind load path
(Initial) [i.e. PV Panel → Bracket(s) → Fastener(s) → Rail and/or Mounting Feet → Fastener(s) → Structure]

SOLAR ARRAY - Weight and Loading Calculations

<table>
<thead>
<tr>
<th>Point Load Calculation:</th>
<th>Distributed Load Calculation:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Number of Panels in Array</td>
<td>5. Solar Panel area (l x w) ft²</td>
</tr>
<tr>
<td>2. Total Weight of PV Modules and Rails</td>
<td>6. Total Array Area (&quot;1 x &quot;5)</td>
</tr>
<tr>
<td>3. Total Number of Attachment Points</td>
<td>7. <em>DISTRIBUTED LOAD</em> (Must be ≤ 5lb/ft²)</td>
</tr>
<tr>
<td>4. Weight per Attachment Point (&quot;2 ÷ &quot;3)</td>
<td>(*&quot;2 ÷ &quot;6)</td>
</tr>
<tr>
<td>&quot;POINT LOAD&quot; - Must be ≤ 50 lbs.</td>
<td></td>
</tr>
</tbody>
</table>

UTILITY-INTERACTIVE Grid Connection Details:

TOTAL PV Output Ampacity: ____________ Output Circuit Conductor Size: ____________

- **SUPPLY/LINE** Side Connection:
  - Service Rating: ____________ Splice/Tap Device: ____________
  - Service Conductor Size: ____________ Manufacturer: ____________

- **LOAD** Side Connection:
  - Identify (circle) the system design: Wire/ OCPD/ Busbar/ Main Breaker [Table per NEC 705.12(D)]

<table>
<thead>
<tr>
<th>Inverter Output Maximum Current</th>
<th>Inverter OCPD Required</th>
<th>Inverter Output Conductor Size</th>
<th>Minimum Busbar Ampacity and Main Breaker Size Combinations for LOAD Side Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>64 Amps</td>
<td>80 Amps</td>
<td>4 AWG</td>
<td>400/400 or 200/150</td>
</tr>
<tr>
<td>56 Amps</td>
<td>70 Amps</td>
<td>4 AWG</td>
<td>225/200 or 250/225</td>
</tr>
<tr>
<td>48 Amps</td>
<td>60 Amps</td>
<td>6 AWG</td>
<td>300/300 or 200/175</td>
</tr>
<tr>
<td>40 Amps</td>
<td>50 Amps</td>
<td>8 AWG</td>
<td>125/100 or 150/125</td>
</tr>
<tr>
<td>32 Amps</td>
<td>40 Amps</td>
<td>8 AWG</td>
<td>225/225 or 200/200 or 150/125</td>
</tr>
<tr>
<td>24 Amps</td>
<td>30 Amps</td>
<td>10 AWG</td>
<td>150/150</td>
</tr>
<tr>
<td>16 Amps</td>
<td>20 Amps</td>
<td>12 AWG</td>
<td>100/100 or 70/60</td>
</tr>
<tr>
<td>12 Amps</td>
<td>15 Amps</td>
<td>14 AWG</td>
<td>80/80</td>
</tr>
</tbody>
</table>

I certify that all the foregoing information is accurate and all work performed will comply with all applicable codes & standards regulating construction.

Qualifier’s Signature ___________________________ Print Name ___________________________ License # ___________________________

PB-O-135/Attachment B
QUALIFIER’s Certification of Rooftop PV Installation
(To be provided to Inspector at Final Inspection)

****Certification must be accepted and approved in order to pass the Final Inspection***

Permit# ___________________________

Job Address ________________________________________________________________

I ____________________________________________, licensed as a:
_ Contractor  (________________)
_ Engineer    (________________)
_ Architect   (________________)

Do hereby certify the following:

On ___ /___/ 20__ || ____ : ____, I did personally inspect all of the Solar PV Array roof mounting system,
(components, connections, and structural attachments at the above address, and

did find the complete installation to have been mounted and fastened in compliance with the approved plans,
manufacturer’s specifications, and structural requirements of the current Florida Building Code.

Based on my inspection, I have determined the completed installation has not compromised the
Structural Integrity of the roof assembly, and is in compliance with the Florida Building Code,
National Electrical Code and Approved Plans.

__________________________________      __________________________     ________________
(Print Qualifier’s Name)    (Qualifier Signature)    (Date)

Sworn to or affirmed before me by means of □ physical presence or □ online notarization this
_________________________ day of __________________________, 20______ by
________________________________________, who is □ personally known to me or □ has
produced ______________________ as identification.

________________________________________ Notary State of Florida
_________________________________________ Name of Notary (Typed Printed or Stamped)